

Mingfei Ding's Notebook

07/11/16

Work finished:

1. Requirement document and project plan: Front-End web requirement and plan gradually become clear.
2. Bio1024 front-end web: complete the logic between dragging part and original bricks.
3. Wiki: Know the uploading and editing form in iGEM website, *.html, *.css, *.js is forbidden to be uploaded.

Problem unsolved:

1. Requirement document and project plan: definite the realization form with instructor.
2. Bio1024 front-end web: complete the ligature between original bricks and improve logic.

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Work finished:

1. Requirement document and project plan: definite the realization form with instructor.
2. Bio1024 front-end web:
 - (1) Complete the ligature between original bricks and improve logic.
 - (2) Set full screen SVG canvas.
 - (3) Set partial SVG elements.
 - (4) Set the menu of right-hand button to call out.

Problem unsolved:

1. Wiki:
 - (1) Complete and improve wiki.
 - (2) Upload.
2. Bio1024 front-end web:
 - (1) Replace DIV elements with SVG elements.
 - (2) Analyze node numbers and position of each SBOLv element.
 - (3) Ligature mouse follow.

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Work finished:

1. Bio1024 front-end web: complete logic and show of per unit length, followed-mouse SVG broken line.
2. Upload test to test.
3. Set up backstage to upload document via Python and Django.

Problem unsolved:

1. Wiki: Upload code.
2. Bio1024 front-end web:
 - (1) Analyze node numbers and position of each SBOLv element.
 - (2) Analyze belong relationships among elements and belong relationships which might appear.

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Work finished:

1. Bio1024 front-end web: Analyze node numbers and position of each SBOLv element.
 - (3) Analyze belong relationships among elements and belong relationships which might appear.
 - (4) Optimize the code of followed-mouse click-ligature.

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Problem unsolved:

1. Bio1024 front-end web:
 - (1) Complete the code of followed-mouse click-ligature.
 - (2) Design original bricks one by one.
2. Consider that whether wiki needs to be rewritten or not.

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Work finished:

1. Bio1024 front-end web:
 - (1) Complete the code of followed-mouse click-ligature, and now it can be used smoothly (click 'esc' to revoke).
 - (2) Combine mouse ligature with original bricks' dragging.
 - (3) Design activity points of cds and promoter.
2. Bio1024 front-end web: look up react.js structure and parallax.js base.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) Design original bricks one by one.
 - (2) Let two original bricks can be dragged together by 'Ctrl + original bricks'.

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Work finished:

1. Wiki: Learn React and write a navigation module.
2. Project tool
 - (1) Tower.
 - (2) Upload code on GitHub.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) Design original bricks one by one.
 - (2) Let two original bricks can be dragged together by 'Ctrl + original bricks'.
2. Wiki configuration.

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Work finished:

1. Bio1024 front-end web: Two original bricks can be dragged together by 'Ctrl + original bricks'.
2. Wiki: Write some modules but they were cancelled. Read the code of media wiki.

Problem unsolved:

1. Wiki: Rebuild for the third time and time shaft.
2. Bio1024 front-end web:
 - (1) Abstract SVG and DIV together.
 - (2) Design original modules one by one.
 - (3) Clear up and optimize code.

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Work finished:

1. Bio1024 front-end web: Read React and the JS You Don't Know.
2. Bio1024 background: Look up the part of simulate and server in the wiki of SYSU in 2015, know something about the base of numpy and integrate.

Problem unsolved:

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1. Bio1024 front-end web:
 - (1) Abstract SVG and DIV together.
 - (2) Design original modules one by one.
 - (3) Clear up and optimize code.

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Work finished:

1. Bio1024 front-end web:
 - (1) Abstract SVG and DIV together.
 - (2) Add the first original module.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) Design original modules.

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Work finished:

1. Bio1024 front-end web:
 - (1) Clear up a base generated by SVG, simplify the generation of SVG in jQuery.
 - (2) Amend code using the base above.
 - (3) Learn some knowledge about visualizing in Tencent AlloyTeam.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) Add the operation to modules possessed in the base.
 - (2) Use React to amend the code.

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Work finished:

1. Bio1024 front-end web:
 - (1) Complete the ligature of dragging elements.
 - (2) Amplify the SVG elements.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) When the third elements insert two elements, the two should move accordingly.
Save as PNG file.

07/26/16

Work finished:

1. Bio1024 front-end web: support the download of SVG and PNG file.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) When the third elements insert two elements, the two should move accordingly.
 - (2) Understand SBOL.

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Work finished:

1. Bio1024 front-end web:
 - (1) Improve sorting and inserting.

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(2) Combine the two structures perfectly.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) Understand SBOL.
 - (2) Pitch on a line and move the line.

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Work finished:

1. Bio1024 front-end web:
 - (1) Choose several parts and drag at the same time. If delete one part, the rest of them can still be dragged.

Problem unsolved:

1. Bio1024 front-end web:
 - (1) Pitch on a line and move the line.
 - (2) Circle one part.